

The Entomological Society of Manitoba *Newsletter*



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About the ESM Newsletter

The Entomological Society of Manitoba Newsletter is published three times per year. It is a forum whereby information can be disseminated to Society members. As such, all members are encouraged to contribute often. The Newsletter is interested in opinions, short articles, news of research projects, meeting announcements, workshops, courses and other events, requests for materials or information, news of personnel or visiting scientists, literature reviews or announcements and anything that may be of interest to ESM members.

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Editors' Comments

Most of us have begun to wrap up our summer work and are planning or getting into our autumn work. Coming up of course is our **71st Annual Meeting of the ESM**, where we get to take a closer look at what our entomological colleagues are up to, and share what we have learned. We rely on the microscope for much of this work, but at this meeting we will look at what we are learning about insects at the molecular level and the applications of this knowledge in our research.



Mark your calendars for **Friday, 23 October and Saturday, 24 October**.

Marjorie Smith & Jordan Bannerman

From the President

Planning for the 2015 ESM annual meeting is underway. Our meeting chair this year is Dr. Steve Whyard and Dr. Suresh Desai is assisting him in the preparations. The proposed theme will be "New technologies and approaches in insect control" and tentative dates for the meeting will be Oct 23 and 24. Over the last few years the number of submitted papers for the meeting has been growing and member turn out has been strong. Further announcements for the meeting will be forth coming.

Your ESM executive has been addressing several interesting items over the spring and summer including examination of the society by-laws and also laying the ground work for the joint meeting with the ESC in 2017. Dr. Paul Fields has kindly agreed to be

the scientific program chair for the 2017 meeting in place of Dr. Barb Sharanowski who will be taking a university faculty position in the U.S. at end of 2015. The executive has been reviewing the by-laws as they have not been updated for some time. During previous annual business meetings several by-law related items were raised by the general membership which prompted us to begin a more in-depth review of the by-laws the executive will be tabling the results of our review at the annual business meeting in the fall for discussion with the general membership.

I have spent much of the summer in the field with my graduate and summer students working on a variety of projects. Part of our work has been carrying surveys in a variety of locations in southern and central Manitoba for threatened and endangered butterfly species. This has been probably the best summer in many years for our butterfly surveys with long periods of hot, sunny weather and reasonable light winds. We have come across a wide variety of species this summer, including sightings of many of our more scarce species. For several weeks we had to survey under a smoky haze caused by forest fires in Saskatchewan and Alberta. I was asked by several people if the smoke kept the butterflies from flying but we found many species to be highly active no matter how "smoky" it was. While it was clear the haze did not bother the butterflies but by the end of some very hot and muggy days in the smoke I may have heard some grumbles from the students. It was quite a "wood tick" summer for us as well and one butterfly surveyor broke an unofficial record by pulling off over 130 ticks from her clothing after a day in the Tall Grass Prairie Preserve in June. As summer winds down we have been fortunate in Manitoba to have escaped the extreme drought conditions that are occurring further to the west and several visitors from Alberta informed me that Manitoba looked positively green and lush this summer. If only we could do something about the mosquitoes!

Richard Westwood, President
Entomological Society of Manitoba



Richard checking a trap during a moth diversity study in Sandilands Provincial Forest



**The 71st Annual Meeting
Entomological Society of Manitoba
October 23rd and 24th 2015**

**Molecular approaches
to fundamental and applied entomology**

Friday, October 23rd 2015

Freshwater Institute, 501 University Crescent, Winnipeg

Keynote speaker

Dr. Daniel Doucet, NRC Great Lakes Forestry Centre, Sault Ste. Marie, Ontario.

“Insect cells lines: useful models to study the mode of action of insecticides”

Saturday, October 24th 2015

Room 219 Animal Science/Entomology, University of Manitoba

Count yourself in and join us for the 71st Annual ESM Meeting!

ESM New Members Social

by Lisa Capar, Chair, ESM Social Committee

This year's ESM New Members Social luncheon was held on April 22nd at the Round Table Steakhouse on Pembina Highway in Winnipeg. There was a tremendous turnout of 43 ESM members and friends in attendance.

New Members present at the luncheon were: Amber Bass, Megan Colwell, Melanie Lalonde, Anamaria Dal Molin, and Zach Polk. New members unable to attend were: Pablo Fernandes, Arash Kheirodin, Erin McNally, Ken Nawolsky, Leanne Peixoto, Dana Race, and Melanie Scallion.



Bob Lamb and Pat MacKay prepare give their presentation on their trip to Antarctica.

During the luncheon, Pat MacKay and Bob Lamb gave a talk entitled “Antarctica: only three insects in three weeks, but what a trip!” based on their most recent travel adventure. Pat and Bob shared several fascinating photographs of the Antarctic including: red “bleeding” bacteria, ice, penguins, birds, marine mammals, and more. The audience was given many interesting tidbits of information along with the question to ponder of why penguins waddle to such out of the way places. Pat and Bob were excited to report that they spotted three insects, with the possibility of a 4th elusive ectoparasite.

Thank you to the presenters and all those that attended. If anyone has any ideas for future ESM social events, please let me know. For next year's ESM New Members luncheon, a new format will be attempted which will allow for a shorter time for the lunch portion to allow people to eat and enjoy a presentation with less of a time investment.

Here is a little bit about this year’s new ESM members – most of them are students with the Department of Entomology at the University of Manitoba:

Amber Bass - Developed a key to canola pests as an undergraduate student with Dr. Barb Sharanowski. She received the Orkin Award at last year's ESM Annual Meeting.

Megan Colwell - PhD student studying honey bees with Dr. Rob Currie.

Melanie Lalonde - U of M entomology.

Anamaria Dal Molin - Postdoct researching Chalcidoidea with Dr. Barb Sharanowski.

Zach Polk - Master's student in Dr. Kateryn Rochon's lab.

Pablo Fernandes - entomology exchange student from Brazil in Dr. Barbara Sharanowski's lab, developed a key to wheat pests for wheat farmers and producers.

Arash Kheirodin - PhD student with Dr. Alejandro Costamagna, studying predation on cereal leaf beetles.

Erin McNally - Studying lice in Dr. Galloway's lab.

Ken Nawolsky – Superintendent of Insect Control, Insect Control Branch, City of Winnipeg.

Leanne Peixoto – Lab manager in Dr. Barb Sharanowski's lab.

Dana Race – Member of the West Nile Virus Surveillance Team with Manitoba Health.

Melanie Scallion - As an undergraduate student, did a revision of *Paranastatus* (Hymenoptera) with Dr. Barb Sharanowski. She received the Student Achievement Award at last year's ESM Annual Meeting.

IN MEMORY

Amy Hawkins-Bowman, 1972-2015

Amy Hawkins-Bowman, a former member of the ESM, died of cancer on 25 April 2015. Amy had an enthusiasm for the natural world from an early age.

Amy obtained both a Bachelor's and Master's degree at the University of Manitoba. She was part of the first graduating class of the Agroecology undergraduate program, and distinguished herself as a leader among that pioneering group. Amy displayed great enthusiasm for reducing the environmental impact of agriculture and, following her graduation in 1999, she continued that theme in an MSc. program in Entomology under the supervision of Neil Holliday. Amy's research focused on agronomic modifications to canola production that would reduce damage from cabbage maggots without resorting to pesticides. Her results confirmed other studies that showed that higher seeding densities are associated with reduced maggot attack, but also showed that the relationship between tillage practices and maggot damage is more complicated than previously thought. One focus of her research was natural biological control of cabbage maggots, work that laid foundations for subsequent studies of biological control of cabbage maggot in the Holliday laboratory. Amy presented her results at meetings of the Entomological Society of Manitoba, the Entomological Society of Canada and the North Central Branch of the Entomological Society of America. Amy completed her field research in 2000, but writing up was complicated by the arrival of children and a move to the country, so her graduation was delayed until 2006.

Amy leaves her husband, Patrick, and their four children: Kataryna, Elias, Lucia and Natalia.

MEETING ANNOUNCEMENTS*

Annual Meeting of the North Central Branch of the Entomological Society of America
Cleveland, Ohio, 5-8 June 2016

XXV International Congress of Entomology
Entomology without Borders
Orlando, Florida, 25-30 September 2016
Website: <http://www.ice2016orlando.org>

Fourth International Entomophagous Insects Conference (IEIC4)
Fundamental and applied topics related to arthropod natural enemies
Torre del Mar, Spain, 4-9 October 2015
Website: <http://www.ihsm.uma-csic.es/IEIC4/index.html>

Joint Annual Meeting of the Entomological Societies of Canada and Québec
Entomology in the Anthropocene
Marriott Hotel, Montreal, 8 November - 11 November 2015
Website: http://www.seq.qc.ca/activites/reunions/SEQ-ESC_2015/index_eng.asp

63rd Annual Meeting of the Entomological Society of America
Entomology 2015 - Synergy in Science: Partnering for Solutions
The Entomological Society of America will co-locate their Annual Meeting with
the American Society of Agronomy, the Crop Science Society of America,
and the Soil Science Society of America.
Minneapolis, Minnesota, November 15-18, 2015.

*If you have a meeting you would like listed in the next ESM Newsletter, contact Marj Smith or Jordan Bannerman with the details by 30 October 2015.

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